FORM PTO 1449 (modified)

Date Submitted to PTO:

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)

ATTY DOCKET NO. DONO1 P-946

APPLICATION NO.

APPLICANT

KENNETH SCHOFIELD, ET AL.

FILING DATE

GROUP

DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
3,601,614	8/71	Platzer, Jr.	250	214	
3,612,666	10/71	Rabinow	359	604	
3,665,224	5/72	Kelsey	307	311	
3,680,951	8/72	Jordan	359	606	
3,746,430	7/73	Brean	359	604	
3,807,832	4/74	Castellion	359	267	
3,811,046	5/74	Levick	250	206	
3,813,540	5/74	Albrecht	250	214	
	FOI	REIGN PATENT DOCUMENTS			
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
0,426,503	5/91	Europe			
0,492,591	7/92	Europe		+	
2,513,198	3/83	France			
2,133,182	1/73	Germany			
2,808,260	8/79	Germany			
ОТНЕ	R DOCUMENT(S) (In	cluding Author, Title, Date, Pe	rtinent Pages, Etc.)	•	
	3,601,614 3,612,666 3,665,224 3,680,951 3,746,430 3,807,832 3,811,046 3,813,540 DOCUMENT NUMBER 0,426,503 0,492,591 2,513,198 2,133,182 2,808,260	NUMBER DATE 3,601,614 8/71 3,612,666 10/71 3,665,224 5/72 3,680,951 8/72 3,746,430 7/73 3,807,832 4/74 3,811,046 5/74 3,813,540 5/74 DOCUMENT NUMBER DATE 0,426,503 5/91 0,492,591 7/92 2,513,198 3/83 2,133,182 1/73 2,808,260 8/79	NUMBER DATE NAME 3,601,614 8/71 Platzer, Jr. 3,612,666 10/71 Rabinow 3,665,224 5/72 Kelsey 3,680,951 8/72 Jordan 3,746,430 7/73 Brean 3,807,832 4/74 Castellion 3,811,046 5/74 Levick 3,813,540 5/74 Albrecht FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY 0,426,503 5/91 Europe 0,492,591 7/92 Europe 2,513,198 3/83 France 2,133,182 1/73 Germany 2,808,260 8/79 Germany	NUMBER DATE NAME CLASS 3,601,614 8/71 Platzer, Jr. 250 3,612,666 10/71 Rabinow 359 3,665,224 5/72 Kelsey 307 3,680,951 8/72 Jordan 359 3,746,430 7/73 Brean 359 3,807,832 4/74 Castellion 359 3,811,046 5/74 Levick 250 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS 0,426,503 5/91 Europe 2,513,198 3/83 France 2,513,198 3/83 France 2,133,182 1/73 Germany	NAME CLASS SUBCLASS

EXAMINER DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

			,		-					
FORM PTO 1449 (modi	fied)		ATTY DOCKET NO. DONO1 P-946	APPLICATION NO.	00	775,232				
PATE	DEPARTMENT OF COMMERC NT AND TRADEMARK OFFIC	Œ	APPLICANT KENNETH SCHOFIL	ELD, ET AL.						
	FERENCES CITED BY APPLIC several sheets if necessary		FILING DATE	م (م)	GRÔUP C	0 570				
Date Submitted to F	РТО:		0011		`	1010				
			U.S. PATENT DOCUMENTS	г						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE				
W	3,862,798	1/75	Hopkins	359	38					
	3,962,600	6/76	Pittman	315	158					
	3,986,022	10/76	Hyatt	250	203					
	4,161,653	7/79	Bedini	250	215					
	4,200,361	4/80	Malvano	359	38					
	4,249,160	2/81	Chilvers	340	902					
	4,266,856	4,266,856 5/81 Wainwright 359								
W	4,281,898	4,281,898 8/81 Ochiai 3 49								
		FC	REIGN PATENT DOCUMENTS							
_	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT				
M	3,041,612	11/80	Germany							
	3,041,612	5/81	Germany							
	4,118,208	11/91	Germany							
	5,630,305	8/79	Japan							
1.	57-173801	10/82	Japan							
	отн	ER DOCUMENT(S) (//	ncluding Author, Title, Date, Per	rtinent Pages, Etc.)						
			1							
				A						
EXAMINER	SIFDE	The state of the s	DATE CONSIDERED	9/28/32						

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

						 			
FORM PTO 1449 (mod	lified) DEPARTMENT OF COMMERC	Ce	ATTY DOCKET NO. DONO1 P-946	APPLICATION NO.	1975,	232			
PATE	ENT AND TRADEMARK OFFICE EFERENCES CITED BY APPLIC	CE	APPLICANT KENNETH SCHOFIELD, ET AL.						
(Uso	e several sheets if necessary PTO:)	FILING PATT (O)	GROUP 2	872				
			U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE			
ys	4,443,057	4/84	Bauer	359	606				
	4,491,390	1/85	Tong-Shen	359	39	· · · · · · · · · · · · · · · · · · ·			
	4,512,637	4/85	Ballmer	359	275				
	4,529,275	7/85	Ballmer	359	265				
	4,529,873	7/85	Ballmer	250	201				
	4,572,619	2/86	Reininger	359	254				
	4,580,875	4/86	Bechtel	604					
\forall	4,603,946	8/86	Kato	359	38				
		FO	REIGN PATENT DOCUMENTS		T				
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT			
uf	57-208530	12/82	Japan						
	57-208531	12/82	Japan		>				
	58-19941	12/82	Japan						
	61-56638	4/86	Japan		. >				
4	61-54942	4/86	Japan			·			
	ОТНЕ	R DOCUMENT(S) (In	ncluding Author, Title, Date, Per	rinent Pages, Etc.)	··· 	·			
				÷					
						 			
EXAMINER	SIFOF	5(DATE CONSIDERED	7/128	102	·			
XAMINER: Initial if refe	erence considered, whether of with next communication to		DATE CONSIDERED	oraw line through citation if	+ -	nce and not considered			

Sheet 3 of 9

			· · · · · · · · · · · · · · · · · · ·			
FORM PTO 1449 (mod			ATTY DOCKET NO. DONO1 P-946	APPLICATION N	100 A/9	75,232
	DEPARTMENT OF COMMERCENT AND TRADEMARK OFFI		APPLICANT			
	EFERENCES CITED BY APPLIC		KENNETH SCHOFI	0 50		
Date Submitted to	PTO:		FILING DATE	101	GROUP 2	876
			U.S. PATENT DOCUMENTS			
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
M	4,614,415	9/86	Hyatt	354	354	
	4,623,222	11/86	Itoh	359	38	
	4,629,941	12/86	Ellis	315	153	···
	4,632,509	12/86	Ohmi	359	38	
	4,669,825	6/87	Itoh	3 59	38	
	4,669,826	6/87	ltoh	359	604	·
	4,671,615	6/87	Fukada	359	38	
\sim	4,672,457	6/87	Hyatt	348	761	
		FC	REIGN PATENT DOCUMENTS			
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
ne	3,284,413	12/91	Japan			
	417,386	4/92	Japan			
	1,535,182	12/78	UK			·-
	2,029,343	3/80	UK			
4	2,119,087	11/83	UK			
	отн	ER DOCUMENT(S) (II	ncluding Author, Title, Date, Per	tinent Pages, Etc.)	•	
						
	1					
				ρ		

				·							
FORM PTO 1449 (mod	dified)	CE	ATTY DOCKET NO. DONO1 P-946	APPLICATION NO	975,232						
PAT	ENT AND TRADEMARK OFFI	CE	APPLICANT KENNETH SCHOFI	ELD, ET AL.	,						
(Us Date Submitted to	se several sheets if necessary PTO:	A	FILING DATE ON ON GROUP 28								
			U.S. PATENT DOCUMENTS	<u> </u>							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	FILING DATE SUBCLASS IF APPROPRIATE						
M	4,676,601	6/87	Itoh	358	38						
1	4,690,508	9/87	Jacob	359	38						
	4,697,883	10/87	Suzuki	359	604						
	4,701,022	10/87	Jacob	359	603						
	4,727,290	2/88	Smith	315	82						
	4,741,603	5/88	Miyagi	359	270						
	4,793,690	12/88	Cahan	359	604						
\vee	4,820,933	4/89	Hong	307	10.1						
		FC	REIGN PATENT DOCUMENTS								
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS TRANSLATION YES/NO/ OR ABSTRACT						
M	2,137,373	10/84	UK								
\'	2,156,295	10/85	UK								
	59-51325	4/84	Japan		->						
	59-51301	4/84	Japan								
	60-212730	10/85	Japan								
·	отн	ER DOCUMENT(S) (II	ncluding Author, Title, Date, Per	rtinent Pages, Etc.)							
											
CYANGES		7)	T	alsol	2						
EXAMINER	>11 D	'IC	DATE CONSIDERED	1/0							

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line brough citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 5 of 9...

F501\W0173150\dew

				·						
FORM PTO 1449 (mod	ilied) DEPARTMENT OF COMMERC	re	ATTY DOCKET NO. DONO1 P=946	APPLICATION	775.2	32				
PATE	EFERENCES CITED BY APPLIC	Œ	APPLICANT KENNETH SCHOFI	7						
(Uso	e several sheets if necessary PTO:)	FILING DATE (ON OV GROUP 28)							
			U.S. PATENT DOCUMENTS	t -						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE				
M	4,838,650	6/89	Stewart	359	604					
, ,	4,886,960	12/89	Molyneux	250	206					
	4,896,030	1/90	Miyaji	250	206					
	4,916,374	4/90	Schierbeek	318	483	·				
	4,917,477	4/90	Bechtel	359	267					
	4,956,591	9/90	Schierbeek	318	483	;				
	4,991,054	2/91	Walters	361	165					
1	5,012,082	4/91	Watanabe	250	208					
		FC	OREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT				
ref	60-166651	11/85	Japan							
\				<u> </u>						
		 								
										
	ОТНЕ	R DOCUMENT(S)	Including Author, Title, Date, Pe	rtinent Pages, Etc.)	•					
			<u></u>							
		<u></u>		^	0					
EXAMINER <	SI KD BY	1	DATE CONSIDERED	9/28	101/					

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (mod			ATTY DOCKET NO DONO1 P-946	APPLICATION N	89/97	5,232
PAT	DEPARTMENT OF COMMERCE ENT AND TRADEMARK OFFICE	Œ	APPLICANT KENNETH SCHOF		400	
	EFERENCES CITED BY APPLIC e several sheets if necessary		FILING DATE	101	GROUP 2	277
ate Submitted to	PTO:		_ ' '			8/2
*EXAMINER	DOCUMENT		U.S. PATENT DOCUMENTS	 		
INITIAL	NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DAT
n	5,055,668	10/91	French	250	208	-
	5,064,274	11/91	Alten	359	604	
	5,148,014	9/92	Lynam	359	602	
	5,168,378	12/92	Black	359	38	
	5,193,029	3/93	Schofield	359	604	
	5,204,778	4/93	Bechtel	359	604	
	5,550,677	8/96	Schofield	359	604	
	5,253,109	10/93	O'Farrell	359	604	•
		F	OREIGN PATENT DOCUMENTS			
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATIO YES/NO/ OR ABSTRAC
uf	48506	6/85	Europe	•		
1	48810	10/88	Europe			
	·					
	OTHE	R DOCUMENT(S) (Including Author, Title, Date, Pe	rtinent Pages, Etc.)	•	
				<u> </u>		
					<u> </u>	
			/	^	^	
MINER	SKAGO		DATE CONSIDERED	- al 28	100	

Sheet 7 of 9.

FORM PTO 1449 (mod	dified)		ATTY DOCKET NO. DONO1 P-946	APPLICATION	10N NO 9 9 75,231					
PAT	DEPARTMENT OF COMMERCENT AND TRADEMARK OFFI	CE	APPLICANT KENNETH SCHOFIELD, ET AL.							
	EFERENCES CITED BY APPLIC e several sheets if necessary PTO:		FILING DATE DE 2							
			U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE				
m	5,537,003	7/9\$ (q	Bechtel	315	82	····				
	3,708,231	1/73	Walters	356	149					
	5,760,962	6/98	Schofield et al.	359	604					
	5,877,897	3/99	Schofield et al.	359	604					
	4,974,078	11/90	Tsai	358	133					
	5,848,802	12/98	Breed et al.	280	735					
	5,416,318	5/95	Hegyi	250	226					
W	5,796,094	8/98	Schofield et al.	250	208.1					
		FO	REIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT				
				· -						
	отн	R DOCUMENT(S) (In	cluding Author, Title, Date, Per	tinent Pages, Etc.)	•					
	•		/							
·										
		7		^						
EXAMINER	SEA	N -	DATE CONSIDERED	91/)	21 67					

Sheet 8 of 9

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (Rev. 2-32)

ATTY. DOCKET NO. DON01 P-946

SERIAL NO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANTS:

Kenneth Schofield et

al.

FILING DATE 07 GROUP

U.S. PATENT DOCUMENTS

									D. 11111111				
EXAMINER INITIAL			D	OCUM:	ENT 1	NUM B	ER		DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
af		6	0	9	7	0	2	3	08/2000	Schofield et al.	250	208.1	
									1				
	,							/					

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	COUN	TRY	CLASS	SUB- CLASS		ISLA- ION
													Y	N
					act t			1			21			

OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

	IINER TIAL	
Au	•	Commonly assigned co-pending U.S. application Ser. No. 09/599,979, filed Jun. 22, 2000, entitled VEHICLE RAIN SENSOR USING IMAGING SENSOR (DON01 P-816).

_				A
	EXAMINER	011-0-0	DATE CONSIDERED	15/M
		S/F051C		19/0/
Ĭ	EXAMINER:	Initial if citation considered, whether	or not citation is	in conformance
l	with MPEP	609: Draw line through citation if not in	conformance and nd	t considered.

Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

Sheet 9 of 9